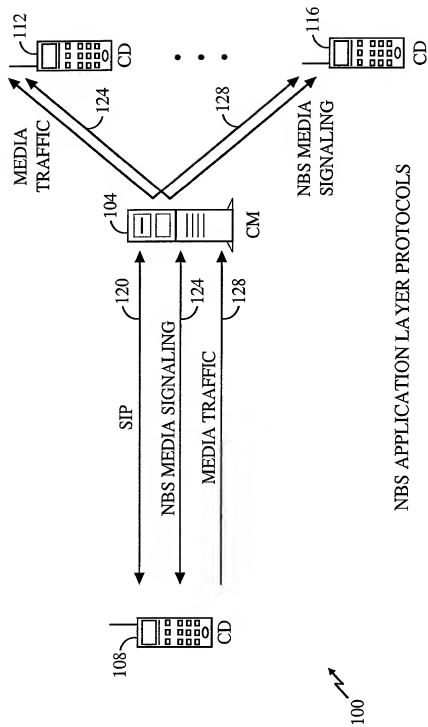


FIG. 1

NBS TERMINAL OR
ADMINISTRATOR

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NBS APPLICATION LAYER PROTOCOLS

FIG. 2

ADMIN WORKSTATION
CLIENT

3/10

DNS SERVER

216

204

CM CORE COMPLEX

SIP UAS SERVER
(REDIRECT/TOP
LEVEL)

236

CM
MANAGER

240

CENTRAL
BILLING LOG
SERVER

244

ADMIN
SERVER

248

CM
NODE

DATABASE LAYER (USER PORTION AND NET PORTION)

232

TO CD

MCU
NODE

MCU NODE
MANAGER

252

MCU - SIP UAS SERVER
(SECOND LEVEL)

256

LOCAL LOG
SERVER

260

INACTIVE
MCU

264

208

MCU
NODE 2

212

200

SIP INVITES, MEDIA SIGNALING,
MEDIA - TO CD

FIG. 3

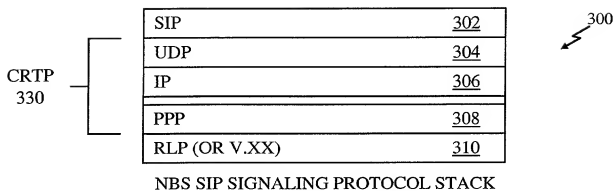


FIG. 4

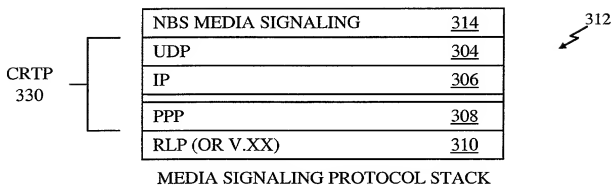


FIG. 5

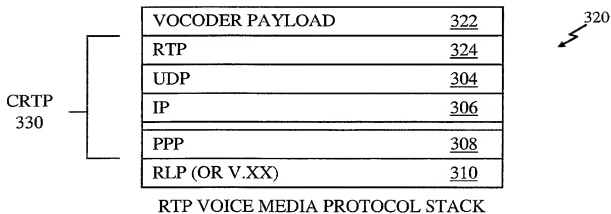
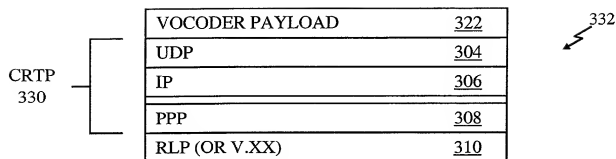
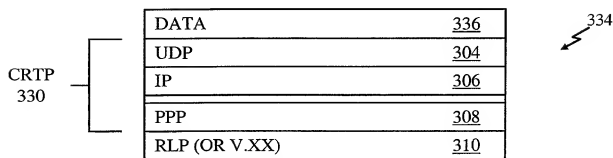


FIG. 6



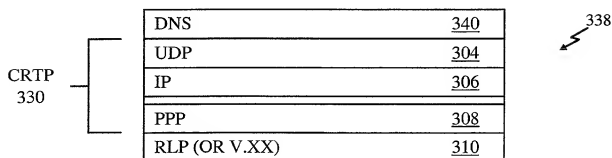
UDP VOICE MEDIA PROTOCOL STACK

FIG. 7



MEDIA TRAFFIC (DATA) PROTOCOL STACK

FIG. 8



DNS CLIENT PROTOCOL STACK

FIG. 9

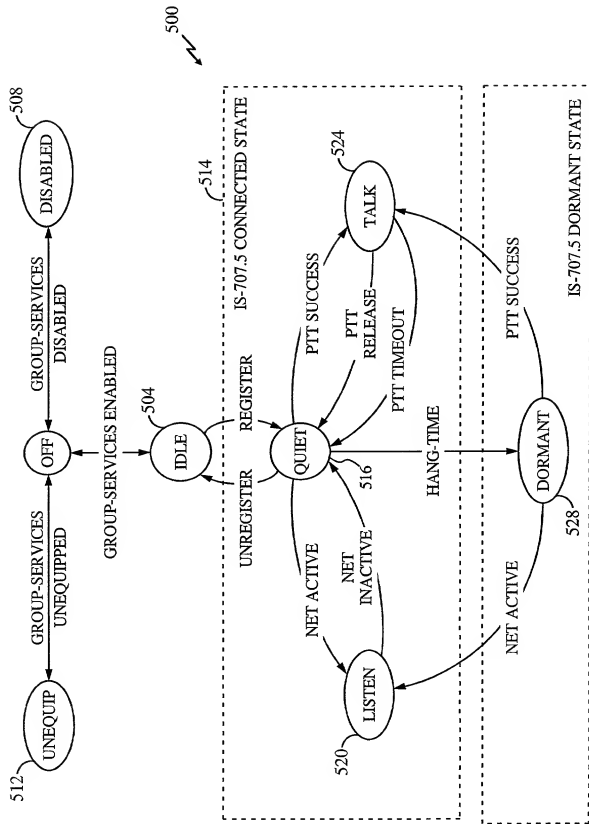


FIG. 10

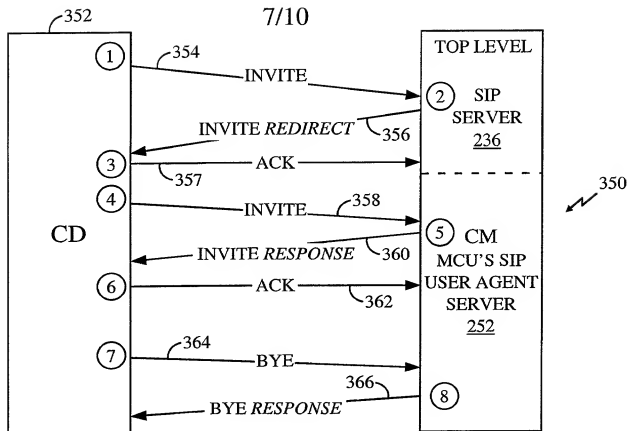


FIG. 11
SIP CALL SIGNALING

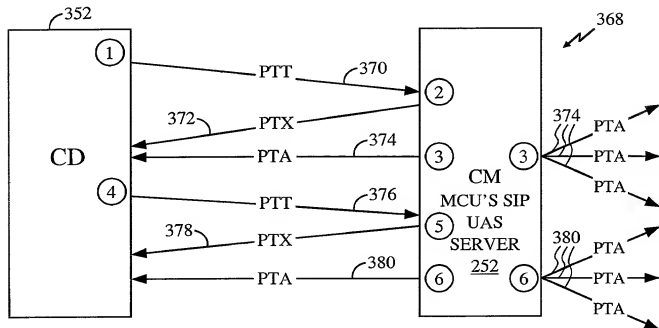


FIG. 12
MEDIA SIGNALING MESSAGE SEQUENCE (PTT)

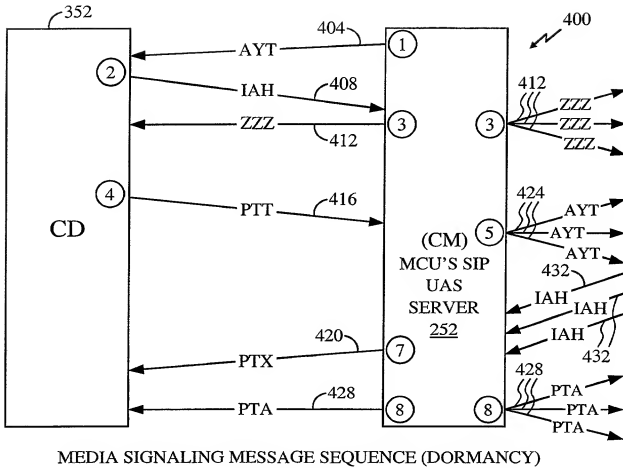


FIG. 13

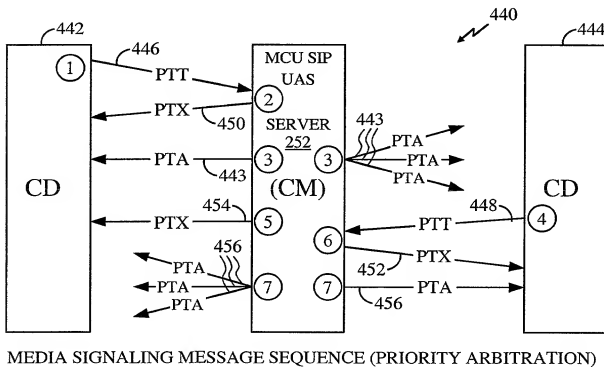


FIG. 14



FIG. 15
MEDIA SIGNALING STATE DIAGRAM

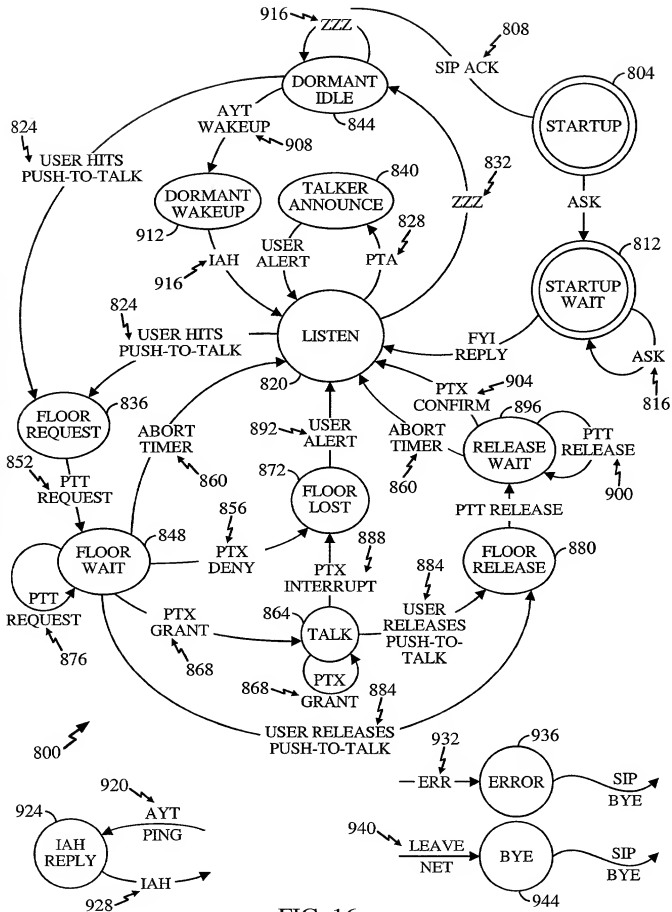


FIG. 16
CD STATE DIAGRAM